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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/085,359	02/28/2002	Sukun Zhang	321.087	6609		
7	590 09/18/2003					
B. Craig Killough		EXAMINER				
Barnwell Whaley Patterson & Helms, LLC Suite 300			GOODROW, JOHN L			
134 Meeting Street			ART UNIT	PAPER NUMBER		
Charleston, SC	29401			PAPERCHOWINER		
			1756			
			DATE MAILED: 09/18/2003	5		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No. Applicant(s)									
Office Action Summary	10/085359		phad.	cT	Al.					
Cinec Action Cuminary	Examiner		Group Art Cit							
	Goodrow		1751							
—The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address—										
Period for Reply										
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO DESCRIPTION.	EXPIRE 3	MONTH(S) F	ROM THE MAIL	JNG DA	ATE					
 Extensions of time may be available under the provisions of 37 CFR 1.13 from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, such period shall, by default, ex Failure to reply within the set or extended period for reply will, by statute, 	within the statutory minimopire SIX (6) MONTHS from	um of thirty (30) da	ys will be considered from this communication	ed timely.						
Status										
☐ Responsive to communication(s) filed on										
☐ This action is FINAL .										
□ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 1 1; 453 O.G. 213.										
Disposition of Claims										
Claim(s) 1-20		is/are pending in the application.								
Of the above claim(s)										
□ Claim(s)		is/are allowed.								
X Claim(s) /-30		is/are rejected.								
☐ Claim(s)										
□ Claim(s)	are subje	are subject to restriction or election requirement.								
Application Papers		requirem	erit.							
☐ See the attached Notice of Draftsperson's Patent Drawing R	leview, PTO-948.									
☐ The proposed drawing correction, filed on	• •	disapproved.								
•	☐ The drawing(s) filed on is/are objected to by the Examiner.									
☐ The specification is objected to by the Examiner.										
☐ The oath or declaration is objected to by the Examiner.										
Priority under 35 U.S.C. § 119 (a)-(d)										
 □ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 11 9(a)-(d). □ All □ Some* □ None of the CERTIFIED copies of the priority documents have been □ received. □ received in Application No. (Series Code/Serial Number) □ received in this national stage application from the International Bureau (PCT Rule 1 7.2(a)). 										
*Certified copies not received:										
Attachment(s)	,									
Information Disclosure Statement(s), PTO-1449, Paper No(s	2,4 Din	terview Summai	v. PTO-413							
Notice of Reference(s) Cited, PTO-892			Patent Applicati	on. PTC)-152					
☐ Notice of Draftsperson's Patent Drawing Review, PTO-948			- atom / ppiloda							
Office Action Summary										

U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

Part of Paper No.

Serial No. 10/085,359 -2-Art Unit 1756 The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made. 2. Claims 1-20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Uyttendaele et al. in view of Urashima et al., Hamano et al. and Hal et al. Uyttendaele et al. teaches an electrophotographic process in which a toner having two reagents is transferred and fixed by heat or heat and pressure. Applicant's attention is directed to column 4 lines 30-35 wherein is taught the toner having two reagents that react together during the fixing step. The use of a toner that reacts with heat or heat and light is further taught by Hamano et al. where low temperature is utilized in the fixing of a toner having a binder resin with a crystalline component that lowers the melting point of the resin. Urashima et al. also teaches the low temperature fixing of an electrostatic toner. Applicant's attention is directed to column 1 lines 62-69 and column 12 lines 50-65. et al. teaches a heat activated electrophotographic printing process in which transfer of the developed image can be to

Art Unit 1756

clothing or textile materials (note the Background of the Invention) in which heat is used to activate the dyes in the transfer process. It would have been obvious to one of ordinary skill in the art at the time of applicant's invention with a reasonable expectation of success to utilize in the fixing of the electrostatic developed image reagents that react to improve the image of the transferred toner having two reactants that react in the fixing of the developed image.

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September 10, 2003

JOHN GOODROW PRIMARY EXAMINER ART UNIT 157